

Comments on Long-Term Archives

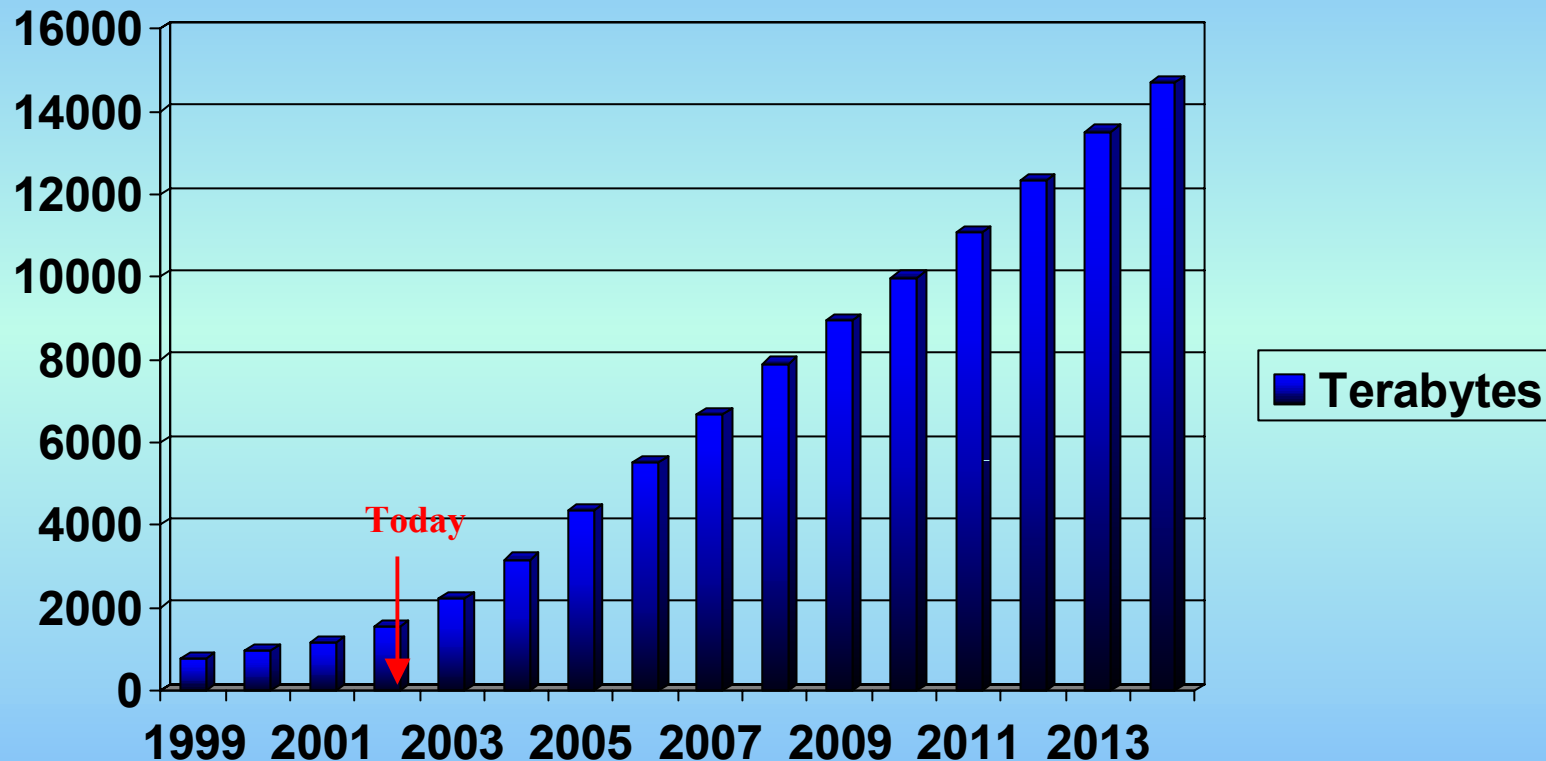
Benjamin Watkins

NOAA/NESDIS

Asheville, North Carolina



15 YEAR ARCHIVE PROJECTION



“Historical archive growth will be dwarfed by projected growth.” Treasures at Risk 2001



NOAA's Response



Comprehensive Large Array-data Stewardship System (CLASS)

- Storage Infrastructure
- Data discovery
- Scientific Stewardship
- Communications
- Access
- E-Commerce
- Data Delivery



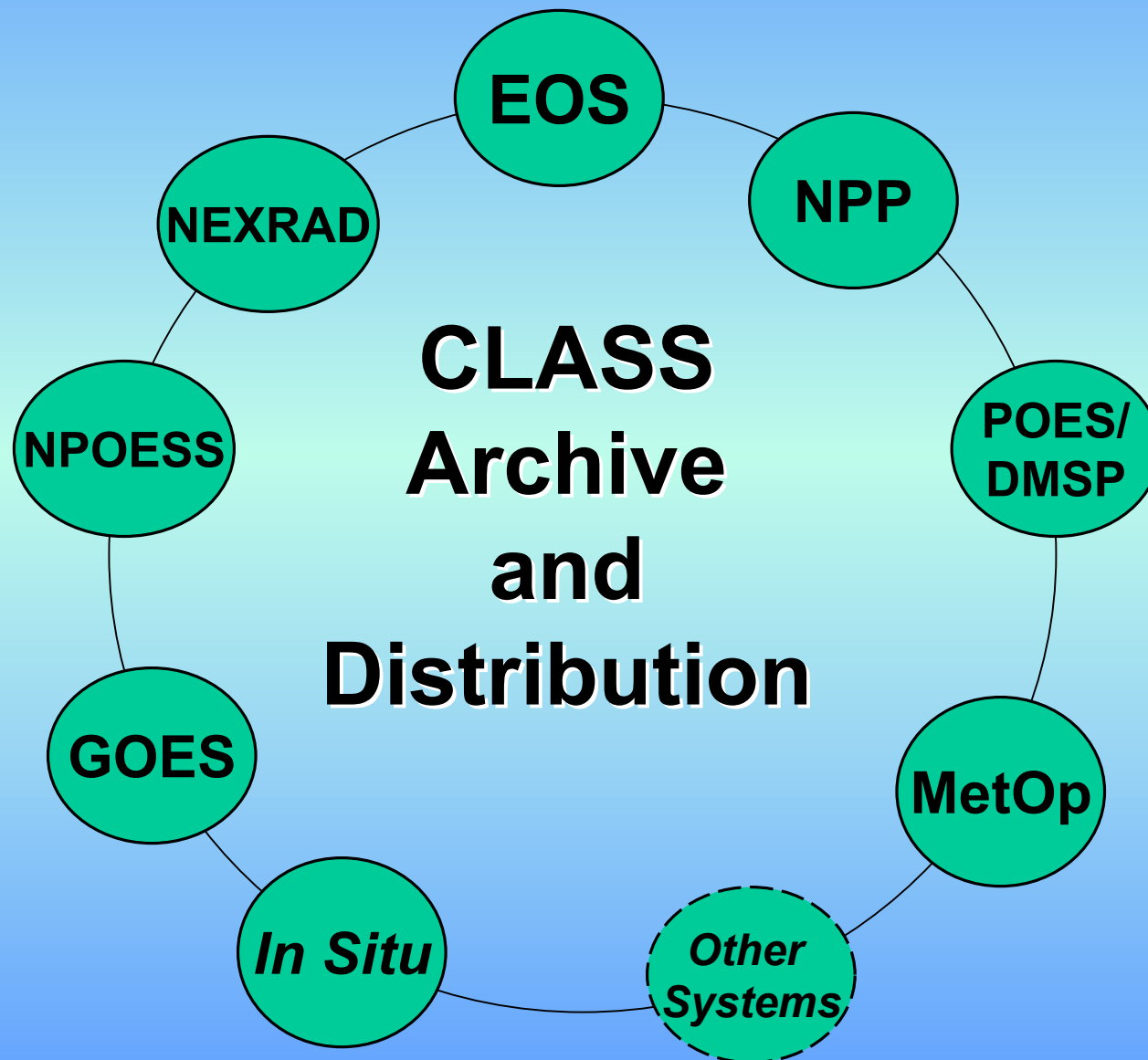
DRIVING FACTORS TO DEVELOP CLASS

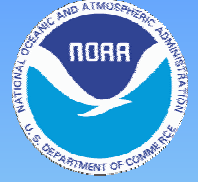


- NOAA is tasked with the responsibility for long-term management and stewardship of the Nation's data
- There is more data to manage than ever
 - *15 year projection is a 20 fold increase*
- There is more demand for data products
 - *As technology grows, so does the Nation's need for timely access to environmental information at all levels*
- More users to support
 - *Users are increasing exponentially as the WWW expands*
- More access needs to the data records
 - *Almost daily, scientists and advisors are finding ever more important applications of these vital data records*



WHAT IS CLASS?





Archive Considerations

- **LTA is the permanent archive**
- **One copy of best-quality datasets, including appropriate metadata**
- **Datasets must be self-describing**
- **NOAA/NASA must define what is essential to be permanently archived**
- **Data sent electronically, no tapes**